

west virginia department of environmental protection

Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

December 16, 2013

WELL WORK PERMIT

Rework/Solution Mining

This permit, API Well Number: 47-5100313, issued to EAGLE NATRIUM LLC, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0499 ext. 1654.

hief

Operator's Well No: 9 BRINE WELL (PPG IND. INC.)

Farm Name: AXIALL CORPORATION

API Well Number: 47-5100313

Permit Type: Rework/Solution Mining

Date Issued: 12/12/2013

Promoting a healthy environment.

PERMIT CONDITIONS

West Virginia Code § 22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

- 1. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6-20, which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
- 2. Pursuant to 35 CSR § 4-19.1.a, at the request of the surface owner all water wells or springs within 1000 feet of the proposed well that are actually utilized for human consumption, domestic animals or other general use shall be sampled and analyzed.
- 3. Pursuant to 35 CSR § 4-19.1.c, if the operator is unable to sample and analyze any water well or spring within one thousand (1,000) feet of the permitted well location, the Office of Oil and Gas requires the operator to sample, at a minimum, one water well or spring located between one thousand (1,000) feet and two thousand (2,000) feet of the permitted well location.
- 4. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
- 5. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
- 6. During the surface casing and cementing process, in the event cement does not return to the surface, or any other casing string that is permitted to circulate cement to the surface and does not return to the surface, the oil and gas inspector shall be notified within twenty-four (24) hours.
- 7. Well work activities shall not constitute a hazard to the safety of persons.
- 8. This permit is being conditioned to address the possibility of flooding in the area of this well. Any tanks stored on this location must be securely anchored in cement to prevent the loss of tanks should a flood occur. In addition, cages must be placed around the well head to prevent debris from damaging the well head.

WW - 2B (Rev. 8/10) 400000 4325 \$40000

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS WELL WORK PERMIT APPLICATION

			51	03	509				
1) Well Operator:	Eagle Natrium LLC	39600	Marshall	Franklin	New Martinsville				
		Operator ID	County	District	Quadrangle				
2) Operator's Well Number: #9 Injection Well (FRESH WARRED) 3) Elevation: 624.5 4) Well Type: (a) Oil or Gas Brine (b) If Gas: Production / Underground Storage									
	Deep/ Sha				74.41				
5) Proposed Target Formation(s): Salina Proposed Target Depth: 6714' 6) Proposed Total Depth: Feet Formation at Proposed Total Depth: Salina 7) Approximate fresh water strata depths: 50' 8) Approximate salt water depths: 1050' to 1750'									
9) Approximate co	9) Approximate coal seam depths: 256' to 261' RECEIVED Office of Oil and Gas								
10) Approximate void depths,(coal, Karst, other): N/A DEC 1 1 2013									
11) Does land contain coal seams tributary to active mine? No WV Department									
12) Describe proposed well work and fracturing methods in detail (attach additional sheets if needed)									
See attached docume	nts								

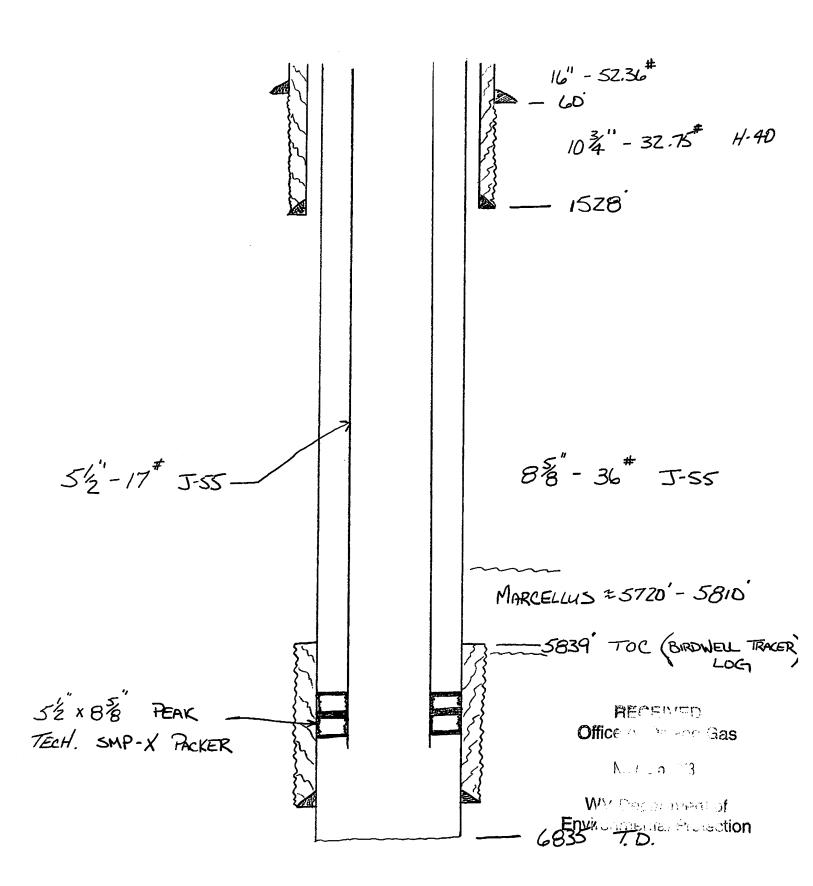
13) CASING AND TUBING PROGRAM

TYPE SPECIFICATIONS			FOOTAGE	INTERVALS	S CEMENT	
	<u>Size</u>	<u>Grade</u>	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor	16"				60'	
Fresh Water						
Coal	13 3/8"	H-40	48lb.		441'	
Intermediate	10 3/4"	H-40	32.75lb.		1528'	530 sacks
Production	8 5/8"	J-55	36lb.		6804'	400 sacks
Tubing						
Liners	5 1/2"	J-55	17lb.		6264'	

Packers: Kind: Peak Technology SMP-X

Sizes: 5 1/2" in 8 5/8"

Depths Set 6350'



Procedure to Remediate #9 Injection Well OF FRESH WATER ONLY

- 1. Set plug in 5 ½" liner at 6270'.
- 2. Chemical cut the 5 ½" liner at 6260'.
- 3. Remove 5 ½" liner.
- 4. Pick up 8 5/8" casing scraper w/ bit and clean ID of casing to 6260'.
- 5. Perform bond log to verify top of cement location.
- 6. Run spinner log to locate existing hole in 8 5/8" casing.
- 7. Attempt injection test down 8.625" csg. Pressure not to exceed 800 psi.
- 8. Perfore High resolution Vertilog test to determine casing integrity.
- 9. If necessary shoot an additional 4 squeeze holes at point determined from log. (est. 5790')
- 10. TIH with 2.875" work string and 8.625" cement retainer.
- 11. Set retainer at approx. 5720'.
- 12. Circulate Flourescent dye to calculate annular volume.
- 13. Pump cement to fill annulus from 5790' to approximately 1528'.
- 14. Displace cement.
- 15. Sting out of retainer and wash up.
- 16. TOOH with work string.
- 17. Run bond log to verify cement placement.
- 18. Drill out retainer.
- 19. Perform MIT test on casing.
- 20. Drill out bridge plug.
- 21. TOOH and secure well head.

Office of Oil and Gas
NOV 152013

WV Department of Environmental Protection



STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS DIVISION 7

Gaed - New Martinsville WELL RECORD Permit No. MARS-313

Oil or Gas Well Brine Company Columbia-Southern Chemical Corp. Casing and Tubing Used in Drilling Paclure Address New Martinsville, W. Va. Farm J. N. Wells 86.86 Location (waters) East Bank Ohio River, Natrium Sizo 621 621 Elev 632.8 Kind of Packer_ 16____ Wall No. 9 1431 hh31 District Franklin ____County... Marshall 15301 15301 The surface of tract is owned in fee by Columbia-Southern 6BOli xx 8-5/8 6804 Chemical Corp. Address New Martinsville Mineral rights ar wned by Columbia-Southern Depth set.... 654.... Address Now Martinsville Chemical Corp. **5** 8/16_ Drilling commenced August 1, 1957 Perf. top... Drilling completed May 7, 1959 Perf. bottom_ Perf. ton_ Date Shot_ Fron____ Liners Used. With_ Perf. bottom... Open Flow /10ths Water in_ Inch /10ths Merc. in___ Inch CASING CEMENTED SIZE Volume_ Cu. Ft. Rock Pressure. COAL WAS ENCOUNTERED AT PERT EXECUL _bbls., 1st 24 hrs. FEET. INCITES FEET INCHES Fresh water. Salt water_ REET MERK feet INCHES fost REET Hard or Soft Oil, Gas or Water Depth Found Formation Color Remarks Top Bottom 0 4.1 Clry 22 Soft 4.1 37 65 Gravel Soft 37 65 Sand -Hard 72 Shale Hard 72 114 Time æ Hard 114 162 Coal Hard 162 167 Lime 167 182 Hard Slate Hard 182 186 Lime Hard 186 198 Shale Hard 198 221 Lime 221 228 Hard Slate 228 232 Hard Lime Hard 232 246 Slate 246 Hard 252 Pittsburgh Coal Conl 252 258 Hard Shale Hard 258 291 Sand 291 Hard 312 Slate Hard 312 317 Red Rock Hard 317 322 Shale Hard 322 346 Red Rock Hard **3**46 348 Slate 348 Hard 387 Sand Hard 387 396 Red Rock Hard 396 102 Shala Hard 402 432 Red Rock Hard 432 452 Shale Hard 1,97 452 Sand Hard 497 528 Cow Run 528 550 Shale Hard 550 555 Red Rock Hard Shala Hard 555 561 561 572 578 Sand Hard 572 578 Line Hard Sand Hard 602 Slate 602 Hard 646 Red Rock Hard 646 651 Shale Hard 651 669 Red Rock 669

(Over)

682

Hard

Formation	Color	Hard or Soft	Tap 7	Bottom	Oil, Gas or Water	Depth Found	Remarks
Shale Lime Shale Lime Shale Lime Shale Lime Slate Lime Slate Sand Slate Sand Shale Sand Shale Lime Slate Lime		Hard Hard Hard Hard Hard Hard Hard Hard	682 707 712 752 765 782 789 809 881 982 1016 1112 1172 1211 1221 1221 1230 1277 1286 1289 1327 1597 1687 1752 1851 2898 2378 2388 2378 2388 2388 2588 2588 2588 2588 2588 258	707 712 752 765 782 765 782 799 809 840 881 948 982 1029 1046 1111 122 1172 1211 1221 1250 1277 1286 1289 1327 1597 1685 1697 1752 1802 1851 2266 2328 2376 2383 2461 2546 2898 2996 5805 6030 6083 6705 6815 6820 5	Water 1418-	:446	Onondaga Oriskany Helderberg
					, , ,	1	

	Date May 29.	, 19_59
APPROVED CO	Lumbia-Southern Che	mical Corp. Owner
Ву	1/1/1911-	
((Tit.). I. Cobb, Chief E	

WR-35 Rev (9-11)

State of West Virginia Department of Environmental Protection Office of Oil and Gas

DATE: 7/16/2012 API #: 47-051-0313

Well O	perator's Report	and Tourseason.		12.0	
name: PPG Industries, Inc.	Operator	Well No.: #9 Bring	e Well		
TION: 51 697.6					
ATION: Elevation: 687.6	Quadran	gle: New Martinsvill	e, WV		
District: Franklin	County:		_		
Latitude: 1000' Feet South of 39 Longitude 1000' Feet West of 80	Deg. 45	Min. O S	Sec.		
1 00 W 03 01 80	_Dcg	Min S	Sec.		
Company: PPG Industries, Inc.					
ACCUPANT TO THE PROPERTY OF TH	Casing &	Used in	Left in well	Cement fill	7
Address: N. St. Rt. 2, New Martinsville, WV		drilling		up Cu. Ft.	
	16"		60'		
Agent: J. Thomas Horan	13 3/8" H	1-40	441'		EX
Inspector: Dereck M. Haught	10 3/4" H	i-40	1528'	530 Sacks	7(-
Date Permit Issued: 6/8/2012	8 5/8" J	-55	6804'	400 Sacks	
Date Well Work Commenced: 6/8/2012	5 1/2" J	-55	6264'	Packer	AD
Date Well Work Completed: 6/15/2012					
Verbal Plugging: N/A					1
Date Permission granted on: N/A			BEGEIV	B	1
Rotary Cable Rig V			ffice of Oil	R. Gas	1
Total Vertical Depth (ft): 6824			mice of OR	X CALL	-
Total Measured Depth (ft): 6824'			001012	013	-
			- 001 0 = 5		-
Fresh Water Depth (ft.): Salt Water Depth (ft.): 6714' - 6824' (solid)		1	VV Departr	nent of	-
		V	ronmental	Protectio	r h
Is coal being mined in area (N/Y)? N		Envi	ronnenca	10.00	4
Coal Depths (ft.):					4
Void(s) encountered (N/Y) Depth(s)]
Time of open flow between initial and final test atic rock Pressure N/A psig (surface pressure)	Pay zone depth open flow N/A on flow N/A H	(ft) N/A _Bbl/d _Bbl/d ours	data on separate sh	eet)	
as: Initial open flow N/A MCF/d Oil: Initial of		Bbl/d			
Final open flow N/A MCF/d Final ope	n flow N/A	_Bbl/d			
Time of open flow between initial and final test		ours			
atic rock Pressure N/A psig (surface pressu	ire) after N/A	lours			
under penalty of law that I have personally exam	nined and am fam	iliar with the info	rmation submitted	on this documer	nt and
tachments and that, based on my inquiry of those	e individuals imm	ediately responsil	ble for obtaining th	e information I	believe
information is true, accurate, and complete.					

Were core samples	s taken?	Yes	No X		Were cuttings es	ight during drilling? Yes_
						e list A 60 arm caliper was used
the LD, of the 8 5/8" cas	ng to locate :	eny corresion a	and to locate a good	area to set the pac	kor.	s rist
DETAILED GE	ok stir Ologic	IULATIN CAL REC	G, PHYSIC. CORD OF T	AL CHANGE HE TOPS A	. ETC. 2). THE V	ILS OF PERFORATED IN ELL LOG WHICH IS A SYS OF ALL FORMATIONS, IN L DEPTH.
Perforated Interval	s, Fractur	ing, or Stir	nulating:			
Perforation, Fra	cturing	and stim	ulating not	performed.	Log for geolog	ical record not performed.
						
Plug Back Details I	ncluding	Plug Type	and Depth(s)	· N/A		
Formations Encour	stered:			Top Depth		Rottom Der
· -					,	
		-				
						
			<u> </u>		 	
- <u></u> -						
				,		
•						

WW-2A (Rev. 6-07)

1). Date: _	11/13/13		
2.) Operator's \	Well Number	#9 Injection	n Well
	State	County	Permit
3.) API Well No	o.: 47-	051	- 0313

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE AND APPLICATION FOR A WELL WORK PERMIT

Address P.O Box 191	
	Address
New Martinsville, WV 26155	
(b) Name	(b) Coal Owner(s) with Declaration
Address	Name
	Address
(c) Name	Name
Address	Address
6) Inspector	(c) Coal Lessee with Declaration
Address	Name
	Address
Telephone	
	ABOVE TAKE NOTICE THAT:
	ract or contracts by which I hold the right to extract oil and gas
OR	1 () () () () () () () () () (
	cle 6, Section 8(d) of the Code of West Virginia (see page 2)
	e West Virginia Code I have served copies of this notice and
application, a location plat, and accompanying documents p	
Personal Service (Affidavit attached) Certified Mail (Postmarked postal red	
Publication (Notice of Publication att	
	CSR 4, and I agree to the terms and conditions of any permit
issued under this application.	5017 4, and 1 agree to the terms and conditions of any permit
	y examined and am familiar with the information submitted on
this application form and all attachments, and that based	on my inquiry of those individuals immediately responsible for
obtaining the information, I believe that the information is tru	
I am aware that there are significant penalties for s	ue, accurate and complete. submitting false information, including the possibility of fine and
I am aware that there are significant penalties for s	submitting false information, including the possibility of fine and
I am aware that there are significant penalties for simprisonment of the penalties for	
I am aware that there are significant penalties for significant penalt	submitting false information, including the possibility of fine and Natrium LLC/Axiall Corporation
I am aware that there are significant penalties for significant penalt	submitting false information, including the possibility of fine and
I am aware that there are significant penalties for simpnsormen OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA ERIN C. BOGGS P.O. Box 198 Probtor, West Virginia 26055 Well Operator Eagle By: Its: Mana Address P.O. Box 198 Probtor, West Virginia 26055	Box 191
I am aware that there are significant penalties for simpnsonment of the properties o	Box 191
I am aware that there are significant penalties for simpnsonment of the properties o	Submitting false information, including the possibility of fine and P Natrium LLC/Axiall Corporation P Howard ager Environmental Box 191 Martinsville, WV 26155
I am aware that there are significant penalties for simprisonment of the property of the penalties for simprisonment of t	Submitting false information, including the possibility of fine and Partition LLC/Axiall Corporation Parti
I am aware that there are significant penalties for simprisonment of the process	Submitting false information, including the possibility of fine and a Natrium LLC/Axiall Corporation ATHOMAS Ager Environental Box 191 Martinsville, WV 26155 ASS-2200 AUYUM DUY A 201 Shice of Oil and Gas

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. CTO Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov

SURFACE OWNER WAIVER

County	Marshall	Operator	Eagle Natrium LLC./Axiall Corporation		
		Operator well number	#9 Injection Well		

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW2-A

The well operator named on page WW2A is applying for a permit from the State to do oil or gas well work. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT. WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas Department of Environmental Protection 601 57th St. SE Charleston, WV 25304 (304) 926-0450

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have FIFTEEN (15) DAYS after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure a dequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective:
- 3) Damage would occur to publicly owned lands or resources:
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation...".

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

List of Water Testing Laboratories. The Office maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Chief to obtain a copy.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application for a Well Work Permit on Form WW2-A, and attachments consisting of pages 1 through ____ including a work order on F orm WW2-B, a survey plat, and a soil and erosion plan, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON		FO	FOR EXECUTION BY A CORPORATION, ET		
	Date	Company Name	Eagle Natrium LLC	RECEIVED Axiall Official Offic	
Signature		By Its	Ed McLaughlin	NOV 15201Date	
		,	Brine Field Enginee		
Print Name			Signature	Environmental Poatection	

WW-2A Coal Waiver

COAL OPERATOR, OWNER, OR LESSEE WAIVER

County				//O	
Operator	Operator	's Well Nur	mber	#9 Injection W	ell
				 	
INSTRUCTIONS	TO COAL OPER	RATOR, OV	WNER	, OR LESSEE	
To the coal operator, owner, any objection you wish to make or a with the Chief of the Office of Oil aby the Office. Mail objections to:	are required to m	ake by WV	/ Code	22-6-15, 16 or 17,	must be filed
Chief, Office of Oil and Gas					
Department of Environmental Prote	ction				
601 57 th St. SE					
Charleston, WV 25304					
(304) 926-0499 extension 1654					
	WAIV	ER			
174					
The undersigned coal operation has examined this propose location, the well location has been work proposed to be done at this logerequirements of the West Virginia C	d well location. I added to the mir cation, provided, ode and the gove	f a mine mand mand mander mand	ap existe ne und perator ulations	sts which covers th lersigned has no ob has complied with	e area of well ojection to the all applicable
FOR EXECUTION BY A NATURAL PERSO	JN	FOR	KEXEC	UTION BY A CORPOR	KATION, ETC.
	Date	Company Name			
Signature		Ву			
		Its			Date
			Signa	ature	Date

RECEIVED Office of Oil and Gas

NOV 1 5 2013

W\' Department of Environmental Protection

Operator's Well Number #9 Injection Well

INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22, Article 6, Section 8(d) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that —

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, Lessor, etc.

Grantee, Lessee, etc.

Royalty

Book/Page

351/265

AXIAL OWNS MINERALS

Acknowledgement of Possible Permitting/Approval In Addition to the Office of Oil and Gas

The permit applicant for the proposed well work addressed in this application hereby a cknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources
- WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be ac quired from the appropriate aut hority before the affected activity is initiated.

Well Operator: By:Its:

agle	Natrium	LLC/Axiall	Corporation	
				,

Manager, Environmental Control

ON 10 7012

Mitton

Environmental Protection

WW-2B1	
(5-12)	

Well No. #9 Injection Well

West Virginia Department of Environmental Protection Office of Oil and Gas

NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

Be advised, you have the right to sample and analyze any water supply at your own expense.

Listed below is the laboratory chosen by operator to perform analysis, and contactor chosen to collect sample.

Certified Labora Sampling Contr	· · · · · · · · · · · · · · · · · · ·	
Well Operator	Eagle Natrium LLC/Axiall Corporation	
Address	P.O. Box 191	
	New Martinsville, WV 26155	

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site, the Chief may require the operator to test wells up to 2000 feet from the proposed site.

RECEIVED
Office of Oil and Gas

NOV 152013

WV Department of Environmental Protection

W	W	-9
(5	11.	3)

P	age of	
API Number 47 - 051	-0313	
Operator's Well No.	#9 Injection Well	

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

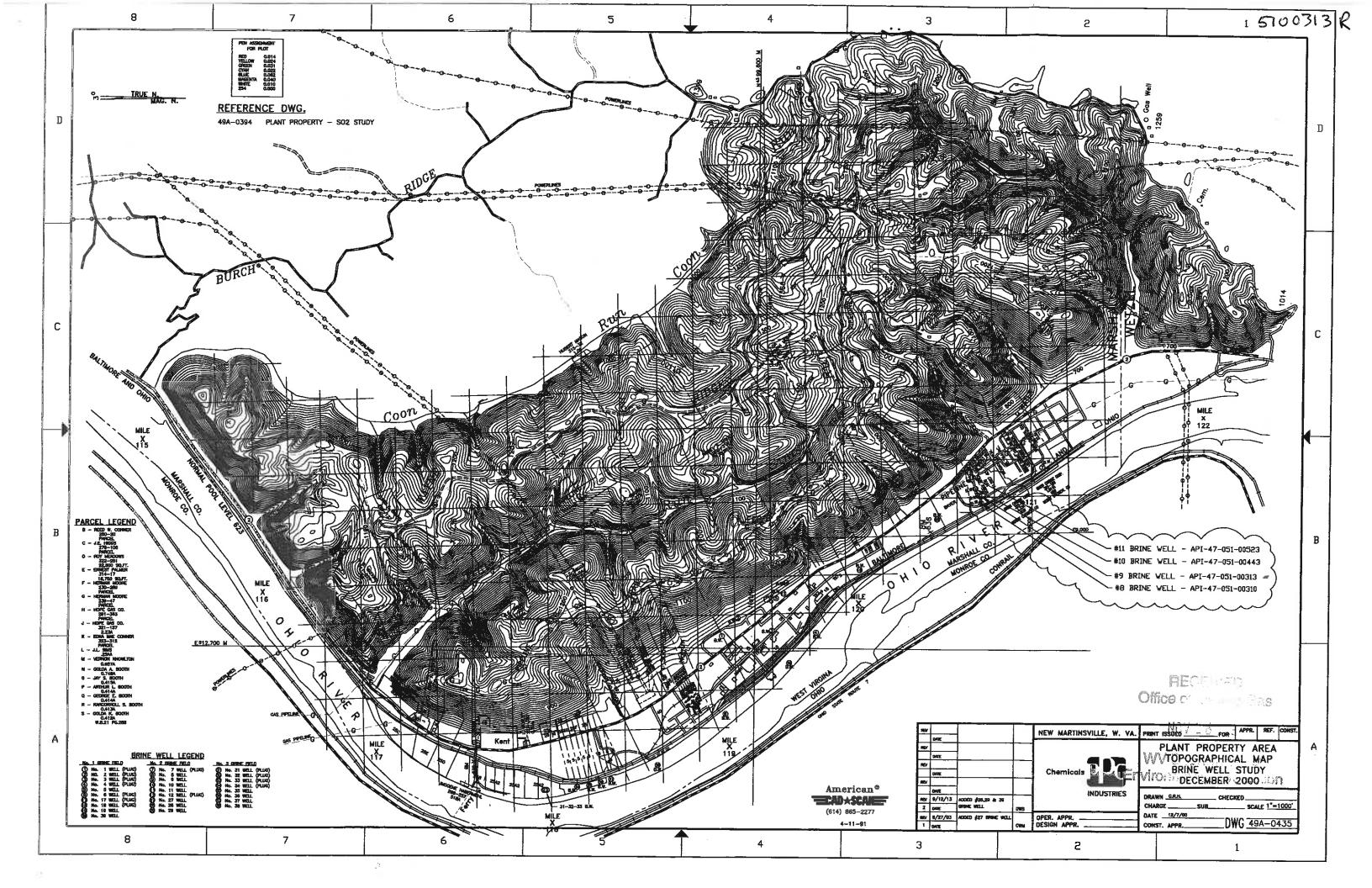
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

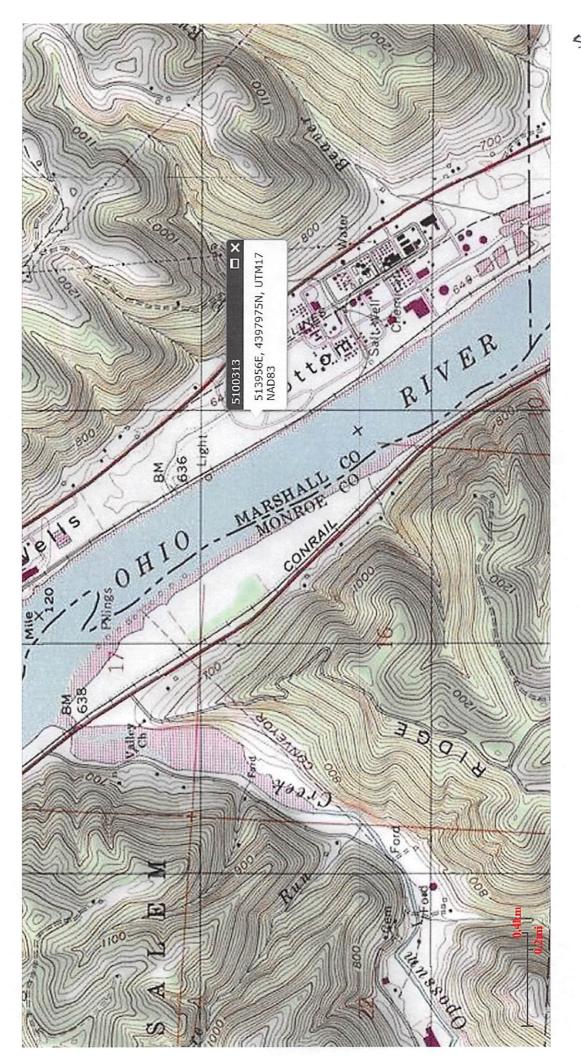
perator Name Eagle Natrium LLC/Axiall Corporation OP Code 39600
atershed (HUC 10) Ohio River Quadrangle New Martinsville
evation 624.5 County Marshall District Franklin
o you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No _x
'ill a pit be used for drill cuttings? Yes No _x
If so, please describe anticipated pit waste:
Will a synthetic liner be used in the pit? Yes No If so, what ml.?
Proposed Disposal Method For Treated Pit Wastes:
Land Application Underground Injection (UIC Permit Number) Reuse (at API Number) Off Site Disposal (Supply form WW-9 for disposal location) Other (Explain)
7ill closed loop system be used? No
rilling medium anticipated for this well? Air, freshwater, oil based, etc. Brine
-If oil based, what type? Synthetic, petroleum, etc
dditives to be used in drilling medium?
rill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Removed Offsite
-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust)
-Landfill or offsite name/permit number? SWF-1034
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued a August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the rovisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable were regulation can lead to enforcement action. I certify under penalty of law that I have personally examined and am familiar with the information submitted on this oplication form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant tenalties for submitting false information, including the possibility of fine or imprisonment.
ompany Official Signature 17-Han RECEIVED Office of Oil and G
ompany Official (Typed Name) J. Thomas Horan
ompany Official Title Manager, Environmental Control NOV 1 5 2013
ubscribed and sworn before me this 4 day of October Lin C. Bogg State of West Virginia 26055 My commission expires Oct 25, 2020 Wy Department of Comparison of Comparison English State of West Virginia 26055 My Commission Expires Oct. 25, 2020

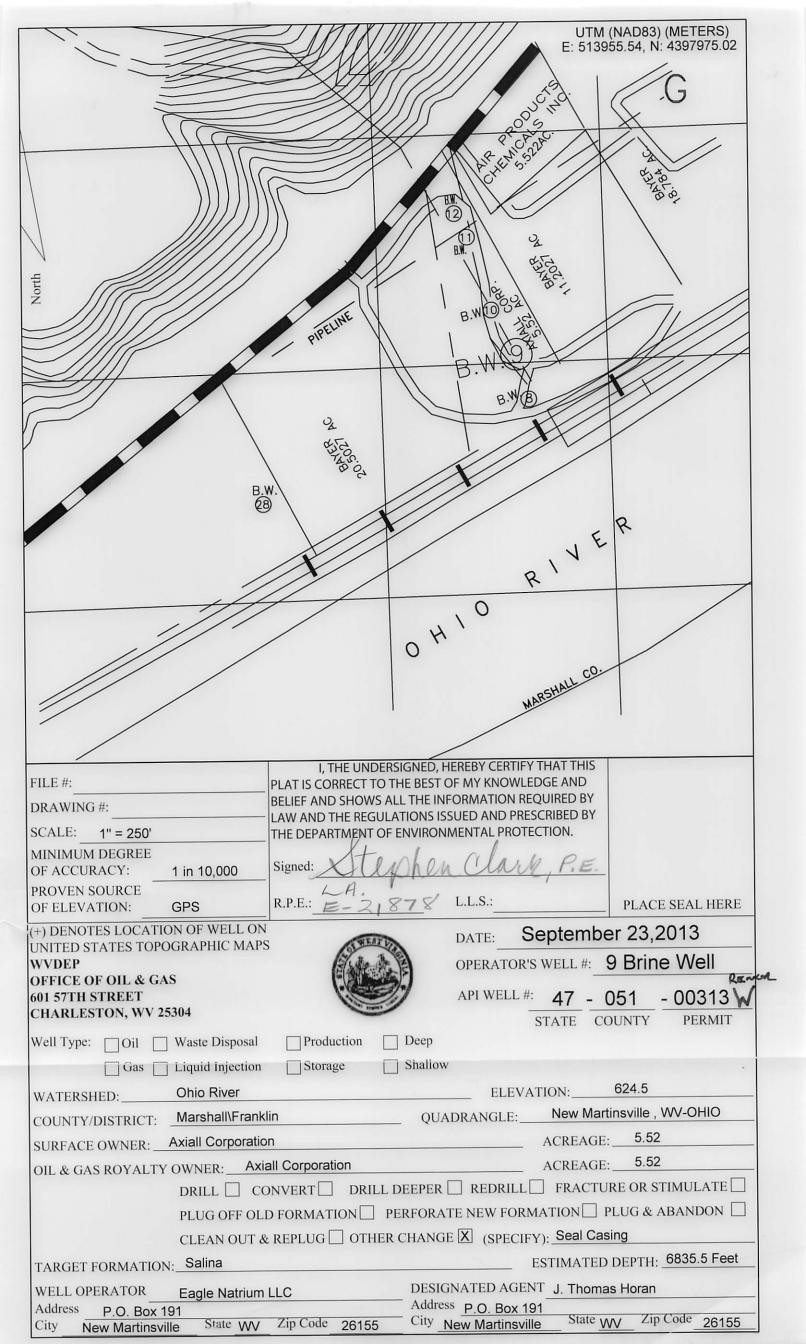
Form WW-9		Operator's W	vell No. #9 Injection Well
Proposed Revegetation Treatment: Acres Distu	N/A		I
LimeTons/acre or			
Fertilizer (10-20-20 or equivalent)	lbs/acre (500 l	bs minimum)	
Mulch	Tons/acre		
	Seed Mixtures		
Area I			ea II
Seed Type lbs/acre		Seed Type	lbs/acre
	<u> </u>		
Photocopied section of involved 7.5' topograph			
Plan Approved by:			
Comments:	·		, — — — — — — — — — — — — — — — — — — —
			
			
Title:	Date:		
Field Reviewed? () Yes	() No		RECEIVED Office of Oil and Gas
			NOV 152013

Form WW-9

W// Department of Environmental Protection







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I, THE U	INDERSIGNED, HEREBY CERTIFY THAT THIS IT TO THE BEST OF MY KNOWLEDGE AND
BELIEF AND SHO	DWS ALL THE INFORMATION REQUIRED BY REGULATIONS ISSUED AND PRESCRIBED BY
SCALE: 1" = 250' THE DEPARTME	NT OF ENVIRONMENTAL PROTECTION.
MINIMUM DEGREE OF ACCURACY: 1 in 10,000 Signed:	teachen Clark, P.E.
PROVEN SOURCE	
OF ELEVATION: GPS R.P.E.:	2187
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS	DATE: September 23,2013
WVDEP OFFICE OF OIL & GAS	OPERATOR'S WELL #: 9 Brine Well
601 57TH STREET	API WELL #: 47 - 051 - 00313 W
CHARLESTON, WV 25304	STATE COUNTY PERMIT
Well Type: Oil Waste Disposal Production Gas Liquid Injection Storage	n Deep Shallow
	ELEVATION: 624.5
WATERSHED: Ohio River COUNTY/DISTRICT: Marshall\Franklin	QUADRANGLE: New Martinsville; WV-OHIO
SURFACE OWNER: Axiall Corporation	ACREAGE: 5.52
OIL & GAS ROYALTY OWNER: Axiall Corporation	ACREAGE:5.52
DRILL CONVERT C	ORILL DEEPER REDRILL FRACTURE OR STIMULATE
	PERFORATE NEW FORMATION PLUG & ABANDON
	OTHER CHANGE X (SPECIFY): Seal Casing
TARGET FORMATION: Salina	ESTIMATED DEPTH: 6835.5 Feet
WELL OPERATOR Eagle Natrium LLC Address P.O. Box 191	DESIGNATED AGENT J. Thomas Horan Address P.O. Box 191
Address P.O. Box 191 City New Martinsville State WV Zip Code 26	